VPDES SEWAGE SLUDGE PERMIT APPLICATION FORM

SCREENING INFORMATION

This application is divided into sections. Sections A pertain to all applicants. The applicability of Sections B, C and D depend on your facility's sewage sludge use or disposal practices. The information provided on this page will help you determine which sections to fill out.

- 1. All applicants must complete Section A (General Information).
- 2. Will this facility generate sewage sludge? __Yes __No

Will this facility derive a material from sewage sludge? __Yes __No

If you answered Yes to either, complete Section B (Generation Of Sewage Sludge Or Preparation Of A Material Derived From Sewage Sludge).

3. Will this facility apply sewage sludge to the land? __Yes __No

Will sewage sludge from this facility be applied to the land? _Yes __No

If you answered No to both questions above, skip Section C.

If you answered Yes to either, answer the following three questions:

a. Will the sewage sludge from this facility meet the ceiling concentrations, pollutant concentrations, Class A pathogen reduction requirements and one of the vector attraction reduction requirements 1-8, as identified in the instructions?

__Yes __No

- b. Will sewage sludge from this facility be placed in a bag or other container for sale or give-away for application to the land? __Yes __No
- c. Will sewage sludge from this facility be sent to another facility for treatment or blending? __Yes __No

If you answered No to all three, complete Section C (Land Application Of Bulk Sewage Sludge).

If you answered Yes to a, b or c, skip Section C.

4. Do you own or operate a surface disposal site? __Yes __No

If Yes, complete Section D (Surface Disposal).

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VPDES	PERMIT	NUMBER:	
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SECTION A. GENERAL INFORMATION

All applicants must complete this section.

1.	Facili	ty Information.
	a.	Facility name:
	b.	Contact person:
		Title:
		Phone: ()
	c.	Mailing address:
		Street or P.O. Box: City or Town: State: Zip:
	d.	Facility location:
		Street or Route #:
		County:
		City or Town: State: Zip:
	e.	Is this facility a Class I sludge management facility?YesNo
	f.	Facility design flow rate: mgd
	g.	Total population served:
	h.	Indicate the type of facility:
		Publicly owned treatment works (POTW)
		Privately owned treatment works
		Federally owned treatment works
		Blending or treatment operation
		Surface disposal site
		Other (describe):
2.	Appli a. b.	cant Information. If the applicant is different from the above, provide the following: Applicant name: Mailing address: Street or P.O. Box:
		City or Town: State: Zip:
	c.	Contact person:StateState.
	٠.	Title:
		Phone: ()
	d.	Is the applicant the owner or operator (or both) of this facility?
		owneroperator
	e.	Should correspondence regarding this permit be directed to the facility or the applicant? (Check one)
		facility applicant
3.	Permi	t Information.
	a.	Facility's VPDES permit number (if applicable):
	b.	List on this form or an attachment, all other federal, state or local permits or construction approvals
		received or applied for that regulate this facility's sewage sludge management practices:
		<u>Permit Number:</u> <u>Type of Permit:</u>
4.		n Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from this
	facilit	y occur in Indian Country?YesNo If yes, describe:

FAC	ILIIY NAME:				PERMIT NUMBER:			
5.		ap. Provide a topographic n						
		unavailable) that shows the following information. Maps should include the area one mile beyond all property boundaries of the facility:						
			agement faciliti	es including locations w	where sewage sludge is generated,			
		treated, or disposed.	agement faciliti	es, meraamg rocations w	note sewage studge is generated,			
			other surface wa	ater bodies listed in publ	ic records or otherwise known to			
	the app	plicant within 1/4 mile of the	e property bound	daries.				
6.	will be employe		mit including al	ll processes used for coll-	all sewage sludge processes that ecting, dewatering, storing, or and all methods used for			
		tion and vector attraction rec		sonus reuving each aine	, and an inclined used for			
7.	generation, trea If yes, provide t Name:	rmation. Are any operational the restriction in the	esponsibility of a actor (attach add	a contractor?Yes	No			
	Mailing address							
	Street or P.O. E	3ox:	Gr.	7				
	City or Town:		Sta	te: Zip:				
	Contractor's Fe	deral, State or Local Permit	Number(s) appl	icable to this facility's se	wage sludge:			
			r (dilietr (e) uppr		wage stanger			
					vide a description of the service			
	to be provided t	to the applicant and the response	ective obligation	ns of the applicant and the	ie contractor(s).			
0	Dallatant Can a	antantiana Ilaina tha tabla b	.1					
8.					sewage sludge monitoring data 6-31-10 et seq. for this facility's			
					s taken at least one month apart			
		more than four and one-half		1	1			
h		1						
	POLLUTANT	CONCENTRATION	SAMPLE	ANALYTICAL	DETECTION LEVEL			
		(mg/kg dry weight)	DATE	METHOD	FOR ANALYSIS			
	Arsenic							
	Cadmium							
	Chromium							
	Copper							
	Lead							
	Mercury							
	Molybdenum							
	Nickel							
	Selenium							
	Zinc							
0								
9.					cation. Refer to the instructions ts of the application you have			
	completed and		or tills certificat	ion. muicate which par	s of the application you have			
		(General Information)						
		(Generation of Sewage Sludge		on of a Material Derived	from Sewage Sludge)			
		(Land Application of Bulk S	ewage Sludge)					
	Section D	(Surface Disposal)						

FACILITY NAME:	VPDES PERMIT NUMBER:				
I certify under penalty of law that this document as	nd all attachments were prepared under my direction or				
supervision in accordance with a system designed	to assure that qualified personnel properly gather and evaluate the				
information submitted. Based on my inquiry of the	information submitted. Based on my inquiry of the person or persons who manage the system or those persons				
	the information is, to the best of my knowledge and belief, true,				
accurate and complete. I am aware that there are s	ignificant penalties for submitting false information, including the				
possibility of fine and imprisonment for knowing v	iolations.				
Name and official title					
Signature	Date Signed				
Telephone number					

Upon request of the department, you must submit any other information necessary to assess sewage sludge use or disposal practices at your facility or identify appropriate permitting requirements.

FACILITY NAME:	VPDES PERMIT NUMBER:
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SECTION B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge

Amo	unt Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use or
dispo	osal, provide the following information for each facility from which sewage sludge is received. If you receive
sewa	ge sludge from more than one facility, attach additional pages as necessary.
a.	Facility name:
b.	Contact Person:
	Title:
	Phone ()
c.	Mailing address:
	Street or P.O. Box: State: Zip:
d.	Facility Address:
	(not P.O. Box)
e.	Total dry metric tons per 365-day period received from this facility: dry metric tons
f.	Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-sit
1.	facility, including blending activities and treatment to reduce pathogens or vector attraction characteristic
	facility, including deficiting activities and treatment to reduce pathogens of vector attraction characteristic
_	
Trea	tment Provided at Your Facility.
a.	Which class of nathogon reduction is achieved for the servege sludge at your facility?
	Which class of pathogen reduction is achieved for the sewage sludge at your facility?
	Class AClass BNeither or unknown
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce
	Class AClass BNeither or unknown
	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility?
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility?
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids)
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration)
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration)
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature)
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5)
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids)
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids)
b. c.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None or unknown
b.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce
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b. c.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:
b. с.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:
b. c. d.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
b. c.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:
b. c.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
b. c. d.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
b. c. d. e.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
b. c. d. e.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
b. c. d. e. Prep One (If see	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:
b. c. d. e.	Class AClass BNeither or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:

FAC	ILITY N	IAME: VPDES PERMIT NUMBER:
		YesNo
5.	Sale	or Give-Away in a Bag or Other Container for Application to the Land.
		olete this question if you place sewage sludge in a bag or other container for sale or give-away prior to land application. Skip this
		on if sewage sludge is covered in Question 4.)
	a.	Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility for sale or give-away for application to the land: dry metric tons
	b.	Attach, with this application, a copy of all labels or notices that accompany the sewage sludge being sold or
	0.	given away in a bag or other container for application to the land.
6.	Shipi	ment Off Site for Treatment or Blending.
		olete this question if sewage sludge from your facility is sent to another facility that provides treatment or blending. This question does
		ply to sewage sludge sent directly to a land application or surface disposal site. Skip this question if the sewage sludge is covered in ons 4 or 5. If you send sewage sludge to more than one facility, attach additional sheets as necessary.)
	a.	Receiving facility name:
	b.	Facility contact:
		Title:
		Phone: ()
	c.	Mailing address:
		Street or P.O. Box:
		Street or P.O. Box: City or Town: Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: dry
	d.	Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: dry metric tons
	e.	List, on this form or an attachment, the receiving facility's VPDES permit number as well as the numbers of
		all other federal, state or local permits that regulate the receiving facility's sewage sludge use or disposal
		practices:
		Permit Number: Type of Permit:
	f.	Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your
		facility?YesNo
		Which class of pathogen reduction is achieved for the sewage sludge at the receiving facility?
		Class AClass BNeither or unknown
		Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to
		reduce pathogens in sewage sludge:
	g.	Does the receiving facility provide additional treatment to reduce vector attraction characteristics of the
		sewage sludge?YesNo
		Which vector attraction reduction option is met for the sewage sludge at the receiving facility? Option 1 (Minimum 38 percent reduction in volatile solids)
		Option 2 (Anaerobic process, with bench-scale demonstration)
		Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration)
		Option 3 (Aerosic process, with behen-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
		Option 5 (Aerobic processes plus raised temperature)
		Option 6 (Raise pH to 12 and retain at 11.5)
		Option 7 (75 percent solids with no unstabilized solids)
		Option 8 (90 percent solids with unstabilized solids)
		None unknown
		Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to
		reduce vector attraction properties of sewage sludge:
	h.	Does the receiving facility provide any additional treatment or blending not identified in f or g above?
		YesNo
		If yes, describe, on this form or another sheet of paper, the treatment processes not identified in f or g above:
	i.	If you answered yes to f., g or h above, attach a copy of any information you provide to the receiving facility

FAC	ILITY N	AME: VPDES PERMIT NUMBER:
		to comply with the "notice and necessary information" requirement of 9 VAC 25-31-530.G.
	j	Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or give-away for application to the land?YesNo
	k.	If yes, provide a copy of all labels or notices that accompany the product being sold or given away. Will the sewage sludge be transported to the receiving facility in a truck-mounted watertight tank normally used for such purposes? Yes No. If no, provide description and specification on the vehicle used to transport the sewage sludge to the receiving facility.
		Show the haul route(s) on a location map or briefly describe the haul route below and indicate the days of the week and the times of the day sewage sludge will be transported.
7.	Land	Application of Bulk Sewage Sludge.
	(Comp	lete Question 7.a if sewage sludge from your facility is applied to the land, unless the sewage sludge is covered in Questions 4, 5 or 6; te Question 7.b, c & d only if you are responsible for land application of sewage sludge.)
	a.	Total dry metric tons per 365-day period of sewage sludge applied to all land application sites:dry metric tons
	b.	Do you identify all land application sites in Section C of this application?YesNo If no, submit a copy of the Land Application Plan (LAP) with this application (LAP should be prepared in accordance with the instructions).
	c.	Are any land application sites located in States other than Virginia?YesNo If yes, describe, on this form or on another sheet of paper, how you notify the permitting authority for the States where the land application sites are located. Provide a copy of the notification.
	d.	Attach a copy of any information you provide to the owner or lease holder of the land application sites to comply with the "notice and necessary" information requirement of 9 VAC 25-31-530 F and/or H (Examples may be obtained in Appendix IV).
8.		ce Disposal.
	(Comp a.	lete Question 8 if sewage sludge from your facility is placed on a surface disposal site.) Total dry metric tons per 365-day period of sewage sludge from your facility placed on all surface disposal sites: dry metric tons
	b.	Do you own or operate all surface disposal sites to which you send sewage sludge for disposal? YesNo
		If no, answer questions c - g for each surface disposal site that you do not own or operate. If you send sewage sludge to more than one surface disposal site, attach additional pages as necessary.
	c. d.	Site name or number:
	u.	Contact person: Title:
		Phone: ()
		Phone: ()
	e.	Mailing address. Street or P.O. Box: State: Zip:
		City or Town: Zip: Zip: Zip: Zip: Zip: Zip: Zip: Zip
	f.	Total dry metric tons per 365-day period of sewage sludge from your facility placed on this surface disposal site: dry metric tons
	g.	List, on this form or an attachment, the surface disposal site VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the sewage sludge use or disposal practices at the surface disposal site:
		Permit Number: Type of Permit:
9.	Incin	eration.

 $(Complete\ Question\ 9\ if\ sewage\ sludge\ from\ your\ facility\ is\ fired\ in\ a\ sewage\ sludge\ incinerator.)$

FACII	LITY NA	ME: VPDES PERMIT NUMBER:
	a.	Total dry metric tons per 365-day period of sewage sludge from your facility fired in a sewage sludge incinerator: dry metric tons
	b.	Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? YesNo
		If no, answer questions c - g for each sewage sludge incinerator that you do not own or operate. If you send sewage sludge to more than one sewage sludge incinerator, attach additional pages as necessary.
	c.	Incinerator name or number:
	d.	Contact person:
		Title:
		Phone: ()
		Contact is:Incinerator OwnerIncinerator Operator
	e.	Mailing address.
		Street or P.O. Box:
		City or Town: State: Zip:
	f.	Total dry metric tons per 365-day period of sewage sludge from your facility fired in this sewage sludge
		incinerator: dry metric tons
	g.	List on this form or an attachment the numbers of all other federal, state or local permits that regulate the
	_	firing of sewage sludge at this incinerator:
		Permit Number: Type of Permit:
		
10.	Dispos	al in a Municipal Solid Waste Landfill.
		ete Question 10 if sewage sludge from your facility is placed on a municipal solid waste landfill. Provide the following information for
	each mu	micipal solid waste landfill on which sewage sludge from your facility is placed. If sewage sludge is placed on more than one
	municipa	al solid waste landfill, attach additional pages as necessary.)
	a.	Landfill name:
	b.	Contact person:
		Title:
		Phone: ()
		Contact is:Landfill OwnerLandfill Operator
	c.	Mailing address.
		Street or P.O. Box:
		City or Town: State: Zip:
	d.	Landfill location.
		Street or Route #:
		County:
		City or Town: State: Zip:
	e.	Total dry metric tons per 365-day period of sewage sludge placed in this municipal solid waste landfill:
		dry metric tons
	f.	List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the
		operation of this municipal solid waste landfill:
		Permit Number: Type of Permit:
	g.	Does sewage sludge meet applicable requirements in the Virginia Solid Waste Management Regulation, 9
	_	VAC 20-80-10 et seq., concerning the quality of materials disposed in a municipal solid waste landfill?
		YesNo
	h.	Does the municipal solid waste landfill comply with all applicable criteria set forth in the Virginia Solid
		Waste Management Regulation, 9 VAC 20-80-10 et seq.?YesNo
	i.	Will the vehicle bed or other container used to transport sewage sludge to the municipal solid waste landfill
		be watertight and covered? Yes No
		Show the haul route(s) on a location map or briefly describe the route below and indicate the days of the
		week and time of the day sewage sludge will be transported.

FACIL	ITY NA	ME: VPDES PERMIT NUMBER:
		SECTION C. LAND APPLICATION OF BULK SEWAGE SLUDGE
	The sewa the vecto The sewa You prov	on for sewage sludge that is land applied unless any of the following conditions apply: age sludge meets the Table 1 ceiling concentrations, the Table 3 pollutant concentrations, Class A pathogen requirements and one of a rattraction reduction options 1-8 (fill out B.4 instead) (EQ Sludge); or age sludge is sold or given away in a bag or other container for application to the land (fill out B.5 instead); or aide the sewage sludge to another facility for treatment or blending (fill out B.6 instead). for every site on which the sewage sludge that you reported in B.7 is land applied.
1.	Identifi	cation of Land Application Site.
	a.	Site name or number:
	b.	Site location (Complete i and ii)
		i. Street or Route#:
		County:
		City or Town: State: Zip:
		ii. Latitude: Longitude:
		Method of latitude/longitude determination
		USGS map Filed survey Other
	c.	Topographic map. Provide a topographic map (or other appropriate map if a topographic map is
		unavailable) that shows the site location.
2.	Owner	Information.
۷.	a.	Are you the owner of this land application site?YesNo
	b.	If no, provide the following information about the owner:
	0.	Name:
		Street or P.O. Box:
		City or Town: State: Zip:
		Phone: ()
3.	Applier	Information:
	a.	Are you the person who applies, or who is responsible for application of, sewage sludge to this land
		application site?YesNo
	b.	If no, provide the following information for the person who applies the sewage sludge:
		Name:
		Street or P.O. Box:
		Phone: ()
	c.	List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the person
		who applies sewage sludge to this land application site:

4. Site Type. Identify the type of land application site from among the following:

Agricultural land	Reclamation site	Forest	
Public contact site	Other. Describe		

5. Vector Attraction Reduction.

Permit Number:

Are any vector attraction reduction requirements met when sewage sludge is applied to the land application site?

___Yes ____No If yes, answer a and b.

Type of Permit:

Indicate which vector attraction reduction option is met:

___ Option 9 (Injection below land surface)

Option 10 (Incorporation into soil within 6 hours)

b. Describe, on this form or on another sheet of paper, any treatment processes used at the land application site to reduce the vector attraction properties of sewage sludge:

FACIL					VI	PDES PERMIT NU	JMBER:
6.	Cumul	ative Loadings and Remain	ing Allotments.				
		ete Question 6 only if the sewage so - see instructions.)	sludge applied to this	s site since Ju	ıly 20, 1993 is subj	ect to the cumulative po	ollutant loading rates
	a.	Have you contacted DEQ	or the permitting	g authority	in the state wh	ere the sewage slud	ge subject to the
		CPLRs will be applied to					
		this site since July 20, 19				,	11
		If no, sewage sludge subje			e applied to this	s site.	
		If yes, provide the following					
		Permitting authority:					
		Contact person:					
		Phone:()	-				
	b.	Based upon this inquiry,	has bulk sewage	sludge sub	iect to the CPL	Rs been applied to t	his site since July 20
	٠.	1993?YesNo If	_		•	* *	•
	c.	Site size, in hectares:					
	d.	Provide the following infe	ormation for ever	ry facility o	ther than yours	s that is sending or	has sent sewage
		sludge subject to the CPL					
		sludge to this site, attach					,
		Facility name:					
		Facility contact:					
		Title:					
		Phone: ()					
		Mailing address.					
		Street or P.O. Box:					
		Street or P.O. Box: City or Town:		State:	Zip:		
	e.	Provide the total loading	and allotment rea	maining, ii	n kg/hectare, fo	r each of the follow	ing pollutants:
		E	Cumulative load	_	Allotment rem		<i>C</i> 1
		Arsenic					
		Cadmium					
		Copper					
		Lead					
		Mercury					
		Nickel					
		Selenium					
		Zinc					
these que	stions may	s 7-12 below only if you apply sev y be prepared as attachments to t who is responsible for the operat	this form. Skip the fo				
7.	Sludge parame	Characterization. Use the eter.	table below or a	separate at	tachment, prov	ide at least one ana	lysis for each
		PCBs (mg/kg)					
		pH (S. U.)					
		Percent Solids (%)					
		Ammonium Nitrogen (m	g/kg)				
		Nitrate Nitrogen (mg/kg)	U U				
		Total Kjeldahl Nitrogen (
		Total Phosphorus (mg/kg					
		Total Potassium (mg/kg)					
		Alkalinity as CaCO ₃ * (mg					
		- \ \	,				

* Lime treated sludge (10% or more lime by dry weight) should be analyzed for percent CaCO₃.

11. Ground Water Monitoring.

Are any ground water monitoring data available for this land application site? Yes No If yes, submit the ground water monitoring data with this permit application. Also submit a written description of the well locations, approximate depth to ground water, and the ground water monitoring procedures used to obtain these data.

12. Land Application Site Information.

> (Complete Items a-d for sites receiving infrequent application - land application of sewage sludge up to the agronomic rate at a frequency of once in a 3 year period; complete Items a-h for sites receiving frequent application - land application of sewage sludge in excess of 70% the agronomic rate at a frequency greater than once in a 3 year period)

- a. Provide a general location map for each county which clearly indicates the location of all the land application sites.
- b. For each land application site provide a site plan of sufficient detail to clearly show the concerned landscape features and associated buffer zones (See instructions). Provide a legend for each landscape feature and the net acreage for each field taking into account the proposed buffer zones.
- In order to ensure that land application of bulk sewage sludge will not impact federally listed threatened or endangered species or federally designated critical habitat, the applicant must notify the field office of the U. S. Department of the Interior, Fish and Wildlife Service (FWS), by a letter, the proposed land application activities with the identification of the land application sites. The address and phone number of FWS are provided below.

U. S. Fish and Wildlife Service Ecological Services 6669 Short Lane Gloucester, VA 23061 TEL: (804) 693-6694

Provide a copy of the notification letter with this application form.

d. Provide a soil survey map, preferably photographically based, with the field boundaries clearly marked. (A USDA-SCS soil survey map should be provided, if available.)

Provide a detailed legend for each soil survey map which uses accepted USDA-SCS descriptions of the typifying pedon for each soil series (soil type). Complex associations may be described as a range of characteristics. Soil descriptions shall include as a minimum the following information.

- 1) Soil symbol
- 2) Soil series, textural phase and slope range
- 3) Depth to seasonal high water table
- 4) Depth to bedrock
- 5) Estimated soil productivity group (for the proposed crop rotation)

Item e - h are required for sites receiving frequent application of sewage sludge

- e. In order to verify the information provided in item d, characterize the soil at each land application site. Representative soil borings or test pits to a depth of five feet or to bedrock if shallower, are to be coordinated for the typifying pedon of each soil series (soil type). Soil descriptions shall include as a minimum the following information:
 - 1). Soil symbol
 - 2). Soil series, textural phase and slope range
 - 3). Depth to seasonal high water table
 - 4). Depth to bedrock
 - 5). Estimated soil productivity group (for the proposed crop rotation)

f. Collect and analyze soil samples from each field, weighted to best represent each of the soil borings performed for Item e. Using the table below or a separate attachment, provide at least one analysis per sample for each of the following parameters.

Soil Organic Matter (%)	
Soil pH (std. units)	
Cation Exchange Capacity (meq/100g)	
Total Nitrogen (ppm)	
Organic Nitrogen (ppm)	
Ammonia Nitrogen (ppm)	
Nitrate Nitrogen (ppm)	
Available Phosphorus (ppm)	
Exchangeable Potassium (mg/100g)	
Exchangeable Sodium (mg/100g)	
Exchangeable Calcium (mg/100g)	
Exchangeable Magnesium (mg/100g)	
Arsenic (ppm)	
Cadmium (ppm)	
Copper (ppm)	
Lead (ppm)	
Mercury (ppm)	
Molybdenum (ppm)	
Nickel (ppm)	
Selenium (ppm)	
Zinc (ppm)	
Manganese (ppm)	
Particle Size Analysis or	
USDA Textural Estimate (%)	

- g. Relate the crop nutrient needs to anticipated yields, soil productivity rating and the various fertilizer or nutrient sources from sludge and chemical fertilizers. Describe any specialized agronomic management practices which may be required as a result of high soil pH. If the sludge is expected to possess an unusually high CCE or other unusual properties, provide a description of any plant tissue testing, supplemental fertilization or intensive agronomic management practices which may be necessary.
- h. Using a narrative format and referencing any related charts, describe the proposed cropping system. Show how the crop rotation and management will be coordinated with the design of the land application system. Include any supplemental fertilization program, soil testing and the coordination of tillage practices, planting and harvesting schedules and timing of land application.

FAC	ILITY NAME:	VPDES PERM E SLUDGE APPLICATION AGREEMENT	IIT NUMBER:	
	SEWAG	E SLUDGE APPLICATION AGREEMENT		
This	sewage sludge application agreement is	made on this date between	C L	
here a	as the "Permittee".	to here as "landowner", and	, referred to	
Land	owner is the owner of agricultural land i	shown on the map attached as Exhibit A and designandowner's land"). Permittee agrees to apply and land	owner agrees to comply	
with o	certain permit requirements following a prized by VPDES permit number	ndowner's land"). Permittee agrees to apply and land pplication of sewage sludge on landowner's land in a which is held by the Permittee.	mounts and in a manner	
condi	itioning to the property. Moreover, land chealth, the following site restrictions r	te application of sewage sludge will be beneficial in padowner acknowledges having been expressly advised must be adhered to when sewage sludge receives Clas	I that, in order to protect	
1.	Food crops with harvested parts that touch the sewage sludge/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of sewage sludge;			
2.	Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for four months or longer prior to incorporation into the soil;			
3.	Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of sewage sludge when the sewage sludge remains on the land surface for less than four months prior to incorporation into the soil;			
4.	Food crops, feed crops, and fiber cro	ops shall not be harvested for 30 days after application	n of sewage sludge;	
5.	Animals shall not be grazed on the l	and for 30 days after application of sewage sludge;		
6.	Turf grown on land where sewage sludge is applied shall not be harvested for one year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the State Water Control Board;			
7.	Public access to land with a high potential for public exposure shall be restricted for one year after application of sewage sludge;			
8.	Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.			
9.	Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of sewage sludge borne cadmium equal to or exceeding 0.5 kilograms/hectare (0.45 pounds/acre).			
speci		owner's designee of the proposed schedule for sewage in to landowner's land. This agreement may be termin		
	Landowner:	Permittee:		
	Signature	Signature		

Mailing Address

Mailing Address

FACILITY NAME:	VPDES PERMIT NUMBER:
	·

SECTION D. SURFACE DISPOSAL

Complete this section only if you own or operate a surface disposal site. Provide the information for each active sewage sludge unit.

1.		mation on Active Sewage Sludge Units.
	a.	Unit name or number:
	b.	Unit location
		i. Street or Route#:
		County: State: Zip: ii. Latitude: Longitude:
		City or Town: State: Zip:
		ii. Latitude: Longitude:
		Method of fatitude/longitude determination
		USGS map Filed survey Other
	c.	Topographic map. Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location.
	d.	Total dry metric tons of sewage sludge placed on the active sewage sludge unit per 365-day period:
	e.	Total dry metric tons of sewage sludge placed on the active sewage sludge unit over the life of the unit: dry metric tons.
	f.	Does the active sewage sludge unit have a liner with a minimum hydraulic conductivity of
	1.	1 x 10 ⁻⁷ cm/sec?YesNo If yes, describe the liner or attach a description.
	g.	Does the active sewage sludge unit have a leachate collection system? Yes No
	U	If yes, describe the leachate collection system or attach a description. Also, describe the method used for
		leachate disposal and provide the numbers of any federal, state or local permits for leachate disposal:
	h.	If you answered no to either f or g, answer the following: Is the boundary of the active sewage sludge unit less than 150 meters from the property line of the surface
		disposal site?YesNo If yes, provide the actual distance in meters:
	i.	Remaining capacity of active sewage sludge unit, in dry metric tons: dry metric tons
		Anticipated closure date for active sewage sludge unit, if known: (MM/DD/YYYY)
		Provide with this application a copy of any closure plan developed for this active sewage sludge unit.
2.	Sewa	ge Sludge from Other Facilities.
		wage sludge sent to this active sewage sludge unit from any facilities other than yours?YesNo
		, provide the following information for each such facility, attach additional sheets as necessary.
	a.	Facility name:
	b.	Facility contact:
		Title:
		Phone: ()
	c.	Mailing address.
		Street or P.O. Box:
		Street or P.O. Box:
	d.	List, on this form or an attachment, the facility's VPDES permit number as well as the numbers of all other
		federal, state or local permits that regulate the facility's sewage sludge management practices:
		Permit Number: Type of Permit:
	0	Which class of pathogen reduction is achieved before sewage sludge leaves the other facility?
	e.	Class AClass BNeither or unknown
	f.	Describe, on this form or on another sheet of paper, any treatment processes used at the other facility to reduce pathogens in sewage sludge:

FACIL	ITY NA	ME: VPDES PERMIT NUMBER:
	g.	Which vector attraction reduction option is achieved before sewage sludge leaves the other facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None or unknown
	h.	Describe, on this form or another sheet of paper, any treatment processes used at the other facility to reduce vector attraction properties of sewage sludge:
	i.	Describe, on this form or another sheet of paper, any other sewage sludge treatment activities performed by the other facility that are not identified in e - h above:
3.	Vector a.	Attraction Reduction. Which vector attraction reduction option, if any, is met when sewage sludge is placed on this active sewage sludge unit? Option 9 (Injection below land surface) Option 10 (Incorporation into soil within 6 hours) Option 11 (Covering active sewage sludge unit daily)
	b.	Describe, on this form or another sheet of paper, any treatment processes used at the active sewage sludge unit to reduce vector attraction properties of sewage sludge:
4.	Ground a. b. c.	Water Monitoring. Is ground water monitoring currently conducted at this active sewage sludge unit or are ground water monitoring data otherwise available for this active sewage sludge unit?YesNo If yes, provide a copy of available ground water monitoring data. Also provide a written description of the well locations, the approximate depth to ground water, and the ground water monitoring procedures used to obtain these data. Has a ground water monitoring program been prepared for this active sewage sludge unit? YesNo If yes, submit a copy of the ground water monitoring program with this application. Have you obtained a certification from a qualified ground water scientist that the aquifer below the active sewage sludge unit has not been contaminated?YesNo If yes, submit a copy of the certification with this application.
5.	Are you	ecific Limits. seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit? No If yes, submit information to support the request for site-specific pollutant limits with this